



# Technical Data

## TYPE DA-1 DISTRIBUTION AMPLIFIER



The type DA-1 Distribution Amplifier is an all solid-state device which provides nine separate outputs from a common input video signal. Six of these nine outputs are identical data video outputs; a single control sets the level of all six data video outputs. The seventh output is an oscilloscope video output which is independent of any level controls. This output provides a signal which is at the level of the input signal (unity gain exists between the input and the oscilloscope video output). The remaining two outputs provide headset and loudspeaker audio sources. Each of these outputs has a front-panel level control. The unit has been conservatively designed for trouble-free operation over extended periods.

### SPECIFICATIONS

Input Impedance . . . . .	91-ohms or high impedance, selectable by switch on rear apron.
Input Level. . . . .	5 volts peak-to-peak maximum
Input Connector . . . . .	Type BNC, mounted on the rear apron.
Outputs. . . . .	Nine total: six data video outputs, one oscilloscope video output, one loudspeaker audio output, and one headset audio output.
Data Video Outputs	
Impedance. . . . .	91 ohms
Output Level . . . . .	1.5 volt rms
Level Set . . . . .	Screw driver adjustment recessed in the front panel. Simultaneously adjusts output level of all six data video outputs.

# Data Video Outputs - (Cont'd)

Isolation . . . . .	40 db minimum with respect to the input and to other outputs.
Bandwidth . . . . .	50 cps to 1.5 mc, $\pm 0.5$ db 30 cps to 2.0 mc, $\pm 1.5$ db
Distortion . . . . .	Total harmonic distortion of 0.5% with gain set at maximum.
Connector . . . . .	Type BNC mounted on rear apron.

## Oscilloscope Video Output

Impedance . . . . .	91 ohms, unbalanced
Output Level . . . . .	Unity gain with respect to input.
Isolation . . . . .	40 db minimum with respect to the input and to other outputs.
Bandwidth . . . . .	50 cps to 1.5 mc, $\pm 0.5$ db 30 cps to 2.0 mc, $\pm 1.5$ db
Distortion . . . . .	Total harmonic distortion of 0.5% with gain set at maximum.
Connector . . . . .	Type BNC mounted on the rear apron.

## Loudspeaker Audio Output

Impedance . . . . .	600 ohms, balanced or unbalanced
Output Level . . . . .	100 milliwatts, with level set at maximum.
Level Set. . . . .	Output level set by control located on front panel.
Bandwidth . . . . .	200 cps to 15 kc, $\pm 1.5$ db
Distortion . . . . .	Total harmonic distortion of 10% maximum at maximum output.
Connector . . . . .	Terminal strip mounted on rear apron.

## Headset Audio Output

Impedance . . . . .	1,000 ohms, unbalanced
Output Level . . . . .	10 mw, with level set at maximum.
Level Set. . . . .	Output level set by control located on front panel.
Bandwidth . . . . .	200 cps to 15 kc, $\pm 1.5$ db
Distortion . . . . .	Total harmonic distortion of 10% maximum at maximum output.
Connector . . . . .	Standard telephone jack mounted on front panel.

Power Input . . . . .	105 to 125 volts, 50-60 cps
Power Consumption. . . . .	10 watts, approximately
Size . . . . .	19-inches wide, 3.5-inches high and 12.75-inches deep.
Weight. . . . .	9 lbs., approximately

PRICE: \$1,200.00

FOB Rockville, Maryland. Taxes extra where applicable. Price and specifications subject to change without notice.

12/2/64